

June 10, 2005

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Filed: January 22, 2002

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**AMENDMENTS TO THE CLAIMS**

Claims 13-31 are currently pending in the application.

Please amend claims 13, 14, 19-21, 26, 27, 30 and 31 as shown below.

Please cancel claims 15, 16 and 22, as shown below.

The following listing of claims 1-31 will replace all prior versions, and listings, of claims in the application:

1.-12. (Cancelled)

13. (Currently Amended) A luminaire for illuminating an object, said luminaire comprising:

a first chamber for accommodating at least one tubular lamp; and

a second chamber defined by a light emission window, ~~and a curtain,~~  
and a light transmitting side wall,

wherein, when that at least one tubular lamp is located within said first chamber, at least a portion of any light emitted by the at least one tubular lamp passes through said curtain into said second chamber with a first homogenous light distribution, and

wherein at least a portion of any light passing into said second chamber passes through said light emitting window with a second homogenous light distribution.

14. (Currently Amended) The luminaire of claim 13,

wherein, when the at least one tubular lamp is located with said first chamber, a first portion of said curtain is directly opposite a first tubular lamp of the at least one tubular lamp and a second portion is diagonal from the first tubular lamp; and

wherein a first light transmittance of said first portion of said curtain is less than a second light transmittance of said second portion of said curtain.

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15. (Cancelled)
16. (Cancelled)
17. (Previously Added) The luminaire of claim 13,  
wherein said curtain includes a calcium halophosphate material.
18. (Previously Added) The luminaire of claim 13,  
wherein said curtain includes a calcium pyrophosphate material.
19. (Currently Amended) The luminaire of claim 13,  
wherein said curtain ~~(21)~~ includes a fluoro-copolymer serving as a  
binder.
20. (Currently Amended) A luminaire for illuminating an object, said  
luminaire comprising:  
a first chamber for accommodating at least one tubular lamp; and  
a second chamber defined by a light emission window and a carrier  
wall; and  
a curtain disposed within said chamber,  
wherein, when the at least one tubular lamp is located within said first  
chamber, at least a portion of any light emitted by the at least one tubular lamp passes  
through said carrier wall into said second chamber with a first homogenous light  
distribution, and  
wherein at least a portion of any light passing into said second chamber  
passes through said light emitting window with a second homogenous light  
distribution, and  
wherein a first portion of said curtain is spaced from said carrier wall  
and a second portion of said curtain is affixed to said carrier wall.

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21. (Currently Amended) The luminaire of claim ~~22~~ 20,  
~~wherein a first portion of said curtain is spaced from said carrier wall~~  
~~and a second portion of said curtain is affixed to said carrier wall; and~~  
wherein a first light transmittance of said first portion of said curtain is  
less than a second light transmittance of said second portion of said curtain.

22. (Cancelled).

23. (Previously Added) The luminaire of claim 20,  
wherein said second chamber is further defined by a side wall  
including a light-transmitting material.

24. (Previously Added) The luminaire of claim 20,  
wherein said curtain includes a calcium halophosphate material.

25. (Previously Added) The luminaire of claim 20,  
wherein said curtain includes a calcium pyrophosphate material.

26. (Currently Amended) The luminaire of claim 20,  
wherein said curtain (21) includes a fluoro-copolymer serving as a  
binder.

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27. (Currently Amended) A lighting system for illuminating an object, said lighting system comprising:

a first luminaire including a first homogenous light distribution chamber and a second homogenous light distribution chamber both defined by a first side wall, said second homogenous light distribution chamber further defined by a first light emission window;

a second luminaire including a third homogenous light distribution chamber and a fourth homogenous light distribution chamber both defined by a second side wall, said fourth homogenous light distribution chamber further defined by a second light emission window;

wherein, a first edge of said first light emission window lies against a second edge of said second light emission window; and

wherein said first side wall and said second side wall both include a light-transmitting material.

28. (Previously Added) The lighting system of claim 27, wherein said first side wall abuts said second side wall.

29. (Previously Added) The lighting system of claim 27, wherein said first side wall and said second side wall are integrated to form one side wall.

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30. (Currently Amended) The lighting system of claim 27,  
wherein said first luminaire includes a curtain disposed within said  
second homogenous light distribution chamber;  
wherein, when at least one tubular lamp is located within said first  
homogenous light distribution chamber, at least a portion of any light emitted by the  
at least one tubular lamp passes through said curtain into said second homogenous  
light distribution chamber with a first homogenous light distribution; and  
wherein at least a portion of any light passing into said second  
homogenous light distribution chamber passes through said first light emitting  
window with a second homogenous light distribution.

31. (Currently Amended) The lighting system of claim 27,  
wherein said a second homogenous light distribution chamber is  
further defined by a carrier wall;  
wherein, when ~~the~~ at least one tubular lamp is located within said first  
homogenous light distribution chamber, at least a portion of any light emitted by the  
at least one tubular lamp passes through said carrier wall into said second  
homogenous light distribution chamber with a first homogenous light distribution;  
and  
wherein at least a portion of any light passing into said second  
homogenous light distribution chamber passes through said first light emitting  
window with a second homogenous light distribution.